Baja Motorsports®

DX70/DX110 Dirt Bike

Read this manual carefully. It contains important safety information.
No one under the age of 16 should operate this dirt bike without adult supervision.

OWNER'S MANUAL

Minimum Recommended Age Requirement: 16

Rev. A

Always wear a helmet; It could save your Life!

Please obtain, review, and follow provincial / municipal government acts and regulations pertaining to owning and operating an off-road vehicle.

Baja Motorsports®

Congratulations on your purchase of a Baja Motorsports dirt bike.

Your dirt bike is warranted to be free of manufacturing defects in material and workmanship for a period of 90 days form the date of purchase. During the warranty period BAJA MOTORSPORTS, will at its option, repair, provide replacement parts or replace your Dirt bike at no charge. This warranty does not cover normal wear items or damage caused by neglect or misuse of the product.

Engine Warranty – 90 days
Frame Warranty – 90 days

Warranty is void if:

Frame is bent or broken due to abuse
If wheels are bent or broken
Fender bent or broken due to abuse
Any sign of impact, accident, jumping, spin-outs or roll over.

BAJA MOTORSPORTS is not liable for any damage claim or liability claim person or otherwise resulting from the operation of this product in any way.

Should you experience a problem or need to return your Baja Motorsports dirt bike for repair, please call the BAJA MOTORSPORTS customer service department TOLL FREE at 1-888-863-BAJA (2252) between the hours of 7am and 5pm Monday thru Friday PST and Saturday 8am to 4pm PST. During DST hours change to MT. You will be instructed how to proceed.

A COPY OF THE SALES RECEIPT IS REQUIRED.

⚠ WARNING

This manual should be considered as a permanent part of the vehicle and should remain with the vehicle when resold or otherwise transferred to a new user or operator. The manual contains important safety information and instructions which should be read carefully before operating the vehicle. All operators should obtain, review, and follow provincial and municipal government acts and regulations pertaining to owning and operating an off-road vehicle. Children under the age of 16 should only ride under adult supervision.

⚠ WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause caner, birth defects and other reproductive harms.
CALIFORNIA PROPOSITION 65

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SAFETY

Please read this manual and follow all instructions carefully. To emphasize the special information, the symbol ⚠ and the words WARNING or CAUTION have some special meanings. Pay great attention to the messages.

⚠ WARNING

Indicates a potential hazard that could result in death or injury.

CAUTION

Indicates a potential hazard that could result in vehicle damage.

NOTE: Indicating special information which is to make maintenance easier or instructions clearer.

WARNING and CAUTION are arranged like this:

⚠ WARNING-or-CAUTION

The first part will identify a POTENTIAL HAZARD.

The second part will describe WHAT COULD HAPPEN if you ignore the WARNING or CAUTION.

The third part will describe HOW TO AVOID THE HAZARD.

This user's manual contains important safety and maintenance information. Read it carefully before riding. Failing to follow the warnings contained in this manual could result in INJURY or DEATH.

It is important that this manual remain with the vehicle when you transfer it to another user or owner.

All information, illustrations, photographs and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or other changes, there will be some discrepancies in this manual. We reserve the right to make product changes at any time, without notice and without incurring any obligation to make the same or similar changes to the vehicle previously built or sold.

SAFETY

SAFE OPERATION
Rules for Safe Operation

- **A pre-operation check must be conducted before starting the engine to insure safety, prevent mishaps and damage to components (see maintenance section of this manual).**

- **It is strongly suggested that all operators take a certified motorcycle rider's course prior to operating the vehicle.**

- **Full attention is required during driving; paying close attention to the following points to avoid injury or death:**

1- Always wear an approved DOT (department of transportation) helmet, it is a proven fact that helmets reduce the number of severe head injuries. Never ride, or let a child ride without a DOT approved motorcycle helmet.

2- Always wear protective riding gear, helmet, eye protection, long sleeve shirt, long pants, riding boots and gloves.

3- Always watch for off road hazards, be aware of unexpected turns, drop offs, rocks, ruts and other hazards. Keep speed low enough to allow time to react to hazards and changing conditions.

4- Never use alcohol or drugs before or during operation. Alcohol and drugs can significantly reduce your ability to make good judgements and ride safely .

5- Never operate this dirt bike at night. Night is defined as the period of time 30 minutes before sunset to 30 minutes after sunrise.

6- Never carry a passenger. This dirt bike is designed for one person only. There are no handles, footrests, or seat for a second passenger.

7- Never drive at speeds that conditions and/or drivers ability does not allow. High speed is the cause of many accidents.

8- Never allow anyone under the age of 16 to operate this dirt bike without adult supervision. Physical, mental and emotional maturity are requirements for safe riding. Rider must be able to judge speed, distances and be able to react to changing conditions with good hand, foot and eye coordination.

SAFETY

9- Always avoid operating this dirt bike on paved surfaces, including; sidewalks, paths, parking lots, driveways, streets, roads, and highways. Never operated this or any Off-Road Vehicle on a public street, road or highway where motor vehicles are in operation.

10- Always keep your dirt bike in safe operating condition. Inspect dirt bike before each ride and perform all recommended maintenance and pre ride inspections.

11- Never overload dirt bike. Maximum weight capacity is 165 lbs. (75kg).

12- Never modify your dirt bike by removing original equipment or adding equipment that would change its design or operation. Such changes could seriously impair your dirt bikes handling, stability and braking, making it unsafe to ride.

SAFETY GEAR

A DOT approved motorcycle helmet is the most important part of your safety gear. A DOT approved motorcycle helmet can help prevent a serious head injury. Choose a helmet that fits snugly. Motorcycle dealers can help in selecting a good quality helmet which fits properly.

⚠ WARNING

Operating this Dirt bike without wearing an approved DOT motorcycle helmet, eye protection, and protective clothing could be hazardous.

Operating without an approved DOT motorcycle helmet or eye protection increases your chances of a severe head injury or death in an accident. Operating without protective clothing also increases your chances of severe injury in an accident.

Always wear an approved DOT motorcycle helmet which fits properly. Always wear eye protection (goggles or face shield). You should also wear gloves, boots, long sleeve shirt or jacket, and long pants.

You should wear eye protection when you ride. If a rock or a branch hits your eyes, you could be severely injured. Wear goggles or a face shield.

Wear proper clothing when you ride. The proper clothes can protect you from injury. Wear a good pair of gloves, strong boots that are over the ankle, long pants, and a long sleeve shirt.

SAFETY

WARNING LABEL PLACEMENT

WARNING

Study the owners manual carefully
Always wear a helmet, eye protection and protective riding gear.
Do not drive while drinking alcohol or while on medication.

OFF ROAD USE ONLY

This vehicle is designed and manufactured for off road use only. It does not conform to federal motor vehicle safety standards. Operation on public streets, roads, or highways is illegal

WARNING

No on under the age of 16 should operate this vehicle without adult supervision.

DX70

TIRE INFORMATION

Tire Pressure: See tire side wall.
Max. Weight Capacity: 245lbs. (111kg)
Tire Size: Front- 2.5 - 12in.
Rear- 2.75 - 10in.

DX110

TIRE INFORMATION

Tire Pressure: See tire side wall.
Max. Weight Capacity: 245lbs. (111kg)
Tire Size: Front- 2.5 - 12in.
Rear- 3.0 - 10in.

Must fill with motor oil before first use
Please see owners manual

SPECIFICATIONS

SPECIFICATION	70CC	110CC

Dimensions / Measurements / Weight

Wheel Base	41.34 in. (1050mm)	41.73 in. (1060mm)
Seat Height	24.02 in. (610mm)	25.2 in. (640mm)
Grips Height	39.17 in. (995mm)	41.73 in. (1060mm)
Ground Clearance	5.51 in. (140mm)	7.09 in. (180mm)
Assembled Weight	130 lbs. (59kg)	137 lbs. (62.14kg)
In Box Weight	174 lbs. (79kg)	185 lbs. (84kg)

Capacities

Passenger Capacity	Operator only	Operator only
Maximum Weight	165lbs. (75kg)	165lbs. (75kg)
Cargo Capacity	No Cargo	No Cargo

Transmission

Gears	4 + Neutral	4 + Neutral
Clutch	Manual	Manual
Final Drive	Frt 420-14T / Rr 420-42T	Frt 420-14T / Rr 420-42T

Engine Specifications

Engine Type	4 stroke aircooled	4 stroke aircooled
Displacement	72cc	107cc
Bore & Stroke	1.85 X 1.63 inch (47mm x 41.4mm)	2.06 X 1.93 inch (52.4mm x 49.5mm)
Compression Ratio	8.8:1	9.8:1
Power (HP)	5.10 hp	6.97 hp
Valve Train	OHV: Two valve	OHV: Two valve
Top Speed (MPH)	46 mph (74 kph)	50 mph (80.5 kph)

SPECIFICATIONS

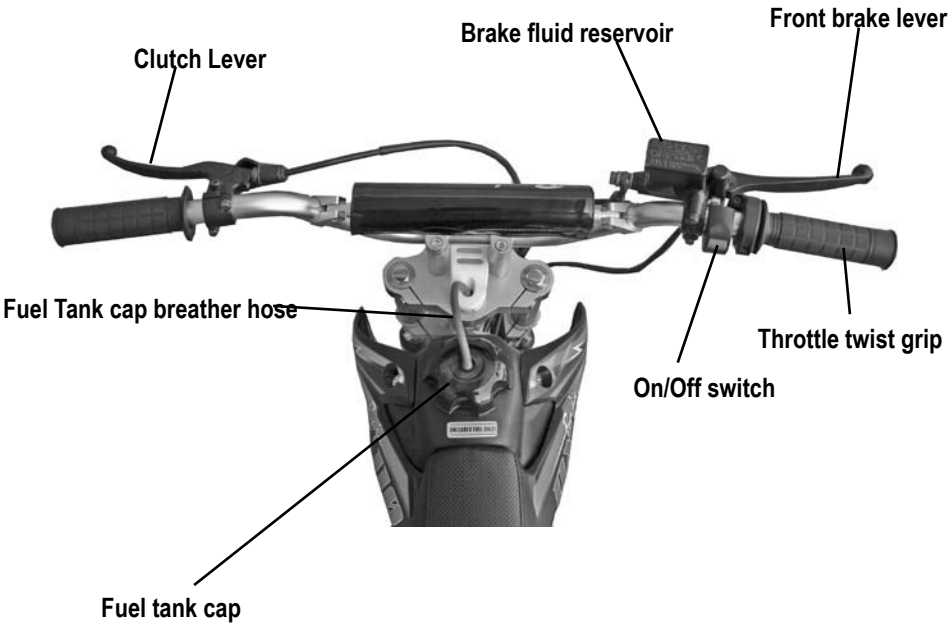
SPECIFICATION	70CC	110CC
Fuel & Lubricants		
Fuel Tank Capacity	.92 gal / 3.5L	.92 gal / 3.5L
Reserve	.15 gal / .57L	.15gal / .57L
Fuel Recommended	86 Octane or higher	86 Octane or higher
Engine Oil Capacity	1 qt (1L)	1 qt (1L)
Engine Oil Recommended	See manual for correct types	See manual for correct types
Drive Chain Lubricant	80 or 90 gear oil	80 or 90 gear oil
Air Cleaner Oil (Foam filter Only)	Foam filter oil or equivalent	Foam filter oil or equivalent
Spark Plug & Carburetor		
Spark Plug Type	Torch A7TC, NGK C7HSA, Denso U22FS-U, Champion Z10YC, AC S102F, Autolite 2795	Torch A7TC, NGK C7HSA, Denso U22FS-U, Champion Z10YC, AC S102F, Autolite 2795
Spark Plug Gap	.02-.03 inch (.6-.7mm)	.02-.03 inch (.6-.7mm)
Idle Speed	1500 +- 100rpm	1500 +- 100rpm
Drive Chain		
Drive Chain Size	08MA	08MA
Drive Chain links QTY.	98	98
Chassis & Suspension		
Chassis	Steel/Painted	Steel/Painted
Front Suspension	1 inch (26mm) Spring Hydraulic, Alluminum black coatiing, Double clamps 24.4 in. (620mm)	1.29inch (33mm) Spring Hydraulic, Alluminum black coatiing, Double clamps 25 in. (635mm)
Rear Suspension	Mono Shock Spring Hydraulic	Mono Shock Spring Hydraulic

SPECIFICATIONS

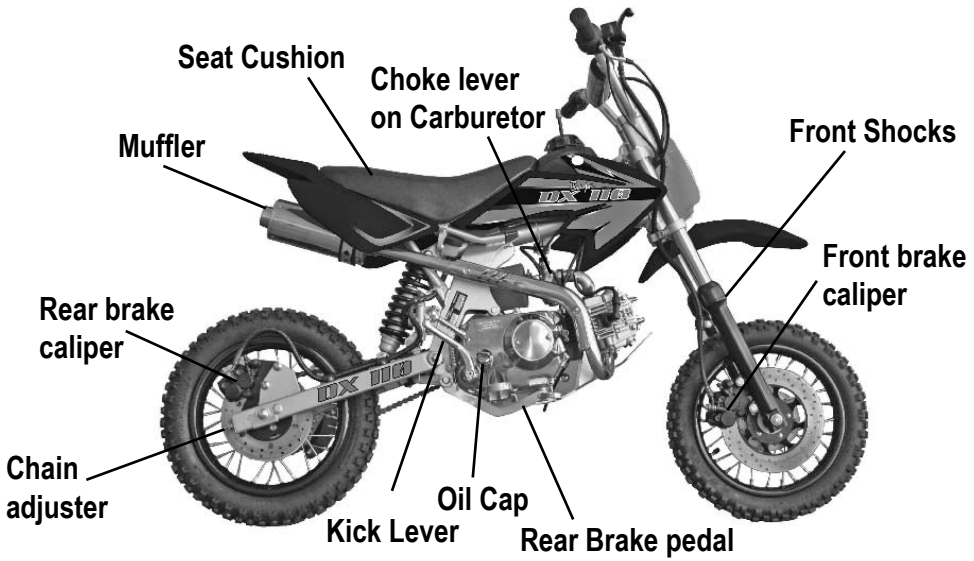
SPECIFICATION	70CC	110CC
Torque Specifications		
Oil Drain Bolt	15-20 ft.lbs (20-30 NM)	15-20 ft.lbs (20-30 NM)
Wheel Axles	37-44 ft.lbs (50-60 NM)	37-44 ft.lbs (50-60 NM)
Wheels & Tires		
Front Wheel (RIM) Size	1.4 - 12 in.	1.4 - 12 in.
Rear Wheel (Rim) Size	1.4 - 10 in.	1.4 - 12 in.
Spokes	43mm	43mm
Front Tire size	2.5 - 12 in.	2.5 - 12 in.
Rear TIre size	2.75 - 10 in.	3.0 - 12 in.
Tire PSI	See sidewall of tire	See sidewall of tire
Brakes		
Front	Hydraulic Disc / 220mm	Hydraulic Disc / 220mm
Rear	Hydrualic Disc / 190mm	Hydrualic Disc / 190mm

PART LOCATION

PARTS & SUBASSEMBLIES



PART LOCATION



OPERATION

FUEL FILLING

The capacity of the fuel tank is 3.5L (.92gal) . Unscrew gas cap by turning counter clockwise. Fill gas tank with 86 octane or higher unleaded gasoline through opening. Do not fill gas past bottom of filler neck in gas tank. DO NOT MIX GAS AND OIL TOGETHER, THIS IS A 4-STROKE ENGINE. Replace gas cap by carefully aligning threads on cap and tank and turning cap clockwise. Wipe any spilled fuel from dirt bike using a cloth. Dispose of cloth properly.

⚠ WARNING

Gasoline and its vapors are extremely flammable and explosive

Fire or explosion can cause severe burns or death.

Do not smoke or refuel vehicle near open flames or near heating units. Do not refuel while engine is running or hot.

⚠ WARNING

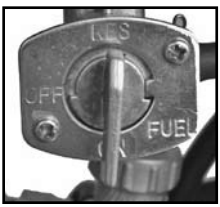
Engines give off carbon monoxide, an odorless, colorless, poison gas.

Breathing carbon monoxide can cause nausea, fainting or death

Always start and run the engine outdoors. Do not start or run engine in enclosed area, even if doors or windows are open.

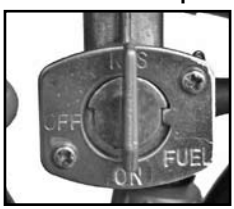
FUEL VALVE

ON: Turn fuel valve to ON" position before attempting to start engine. Turning fuel valve to "ON" position allows fuel to flow to the carburetor..
OFF: Turning fuel valve to "OFF" position after riding, prevents the flow of fuel from fuel tank to carburetor.
RES. Turning the fuel valve to "RES" position allows fuel to flow from the reserve fuel supply to the carburetor. When engine runs out of gas at "ON" position, set fuel valve to "RES", when on "RES", refuel as soon as possible.



ON

OFF



RESERVE

OPERATION

ENGINE BREAK-IN

The first 10 hours of operation should be considered the "Break-in" period and special attention shall be paid to the following points:

1. **Do not throttle past half throttle during the first 10 hours of operation. Fluctuate the throttle during this period to break in engine components. Do not put excessive load on engine by climbing steep hills or having fast starts.**

2. **Warm up engine 3-5 minutes prior to operation so all components are lubricated sufficiently. Failure to allow engine to warm up could cause damage to engine.**

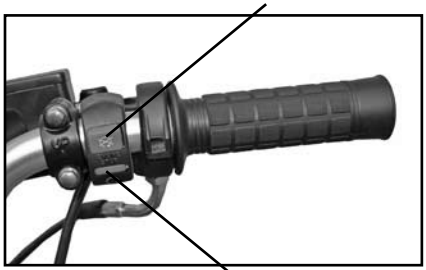
SWITCHES ON RIGHT HANDLEBAR

Ignition switch

The ignition switch is Located on the right handlebar.

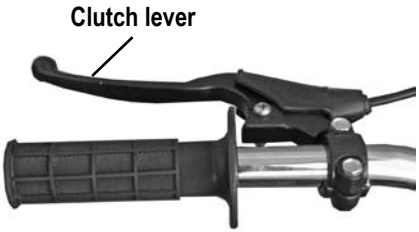
When switch is turned to "⊗" (off) position, the engine will not start. If engine is running and "⊗" (off) button is pushed the engine will turn off.

When switch is turned to "◯" (on) position, the engine can start when kick lever is kicked.



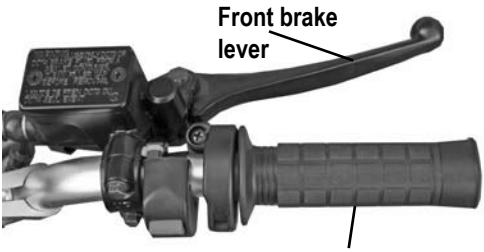
OPERATION

LEFT HANDLEBAR - CLUTCH LEVER



Clutch lever
When clutch lever is pulled toward h clutch is applied.

RIGHT HANDLEBAR - FRONT BRAKE LEVER AND THROTTLE TWIST GRIP

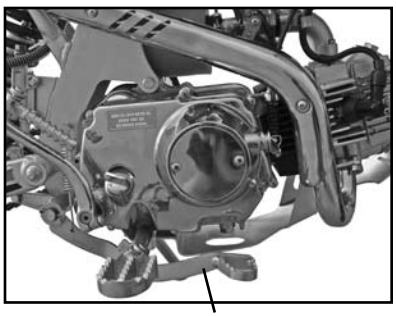


Throttle twist grip
Controls engine and dirt bike speed. When twist grip is turned back CCW (counter clockwise) engine speed is increased along with speed of dirt bike. When twist grip is turned forward CW (clockwise) engine speed is decreased along with speed of dirt bike.

Front brake lever
Squeeze lever toward hand grip to apply front brakes.

REAR FOOT BRAKE

The foot brake is located on right hand side of dirt bike. Foot brake applies rear brake.



OPERATION

GEAR SHIFTING

Reduce throttle before shifting. Never increase throttle while shifting gears.

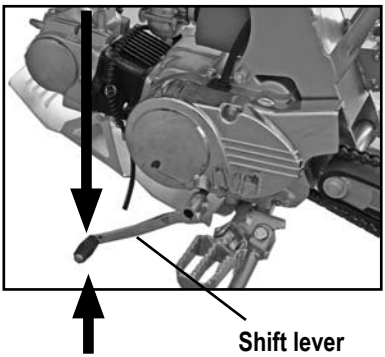
Pull in clutch lever and depress shift lever to place in 1st gear. Lift up shift lever to shift to 2nd, 3rd and 4th. Before shifting into any gear, pull in clutch lever. Once in gear, release clutch lever.

Do not rest your foot on the gear-shift lever while operating dirt bike, doing so could cause unwanted shifting without applying clutch. Shifting without the clutch could cause damage to transmission.

Shifting to lower gears

Shifting sequence

(4) 4th gear
(3) 3rd gear
(2) 2nd gear
(N) Neutral
(1) 1st gear



Shifting to higher gears

Points for Attention during Drive

1- Avoid unnecessary idling of engine at high speeds. Idling engine at high speeds will damage engine components.

2- The clutch will wear out quickly if clutch is in a semi-engaged position. Clutch should be pulled in and release once desired gear is achieved, do not hold clutch half in or half out of engagement.

3- Shift to lower gears when there is insufficient power to climb hills or continue forward.

4- Use both front and rear brakes when coming to a stop. Applying front brake only could cause front wheel to lock up which could result in an accident.

5- Do not place transmission in neutral while traveling at high speeds

6- Decrease throttle while braking.

OPERATION

PRE- RIDE INSPECTION

Before each ride it is important to inspect your dirt bike. Make sure any problems found are corrected before starting engine. A pre-ride inspection is a must for off-road riding because off road riding can provide excessive wear and tear on components.

Tires:

Use a tire gauge to check air pressure Adjust air pressure if needed. Look for signs of damage or excessive wear.

Spokes and Rims:

Make sure all spokes are tight, check rims for damage.

Leaks:

Look under vehicle for signs of leaking fluids (Oil or Gas).

Engine Oil:

Check engine oil level, add oil if needed.

Nuts and Bolts:

Check nuts and bolts for tightness. Refer to proper Torque specifications in this manual.

Throttle:

Check throttle free-play and adjust if needed. Rotate throttle to make sure it moves smoothly without sticking, and snaps back automatically when released, in all steering positions.

Brakes:

Squeeze front brake lever and step on rear brake pedal to check that controls operate normally. Adjust free-play, if necessary.

Fuel:

Check fuel level, add fuel if needed. Make sure fuel fill cap is securely fastened.

Cables:

Check cable housing for wear. Check fittings for looseness. Replace or tighten as needed.

Maintenance:

Make sure all maintenance procedures are followed in this manual

OPERATION

⚠ WARNING

Never start engine without first performing a pre-ride inspection (see page 14 of this manual).

Failure to perform a pre ride inspection could result in severe injury or death.

Always perform pre-ride inspection before every ride and correct any problems

CAUTION

Verify oil level prior to starting

Starting the engine with low or no oil will damage engine.

⚠ WARNING

Never start the engine in a closed place as the exhausted fumes from vehicle contains toxic carbon monoxide.

STARTING ENGINE

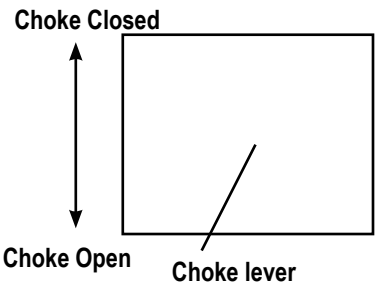
1- Set the handlebar ON/OFF switch to "◯" (ON) position.

2- Place the dirt bike in the neutral gear.

3- Ensure that there is fuel in the tank.

4- Set the fuel valve handle to "ON" or "RES" position.

5- If engine is cold , place choke lever in up (closed) position .



6- Start engine with electric start or kick lever.

7- Once engine has started, slightly turn throttle twist, increasing RPM's to warm engine. Do not fully open throttle to warm engine.

8- Once engine has sufficiently warmed up, place choke lever in down (Open) position.

OPERATION

Procedures for stopping engine:

1- Release throttle twist grip to slow down engine.

2- Shift to neutral position once stopped.

3- Set the ignition switch key to "⊗" (OFF) position.

4- Set the fuel valve handle to "OFF" position.

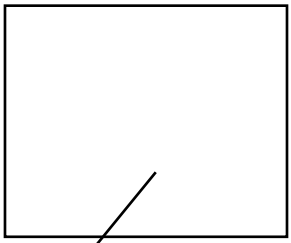
CAUTION
Unnecessarily increasing RPM's to a high level while dirt bike is in neutral is harmful to the engine.

MAINTENANCE

CHECKING ENGINE OIL

Checking Oil

Check engine oil each time prior to operating the dirt bike.
The oil level should be between the upper and lower lines of the oil cap dip stick



Oil fill cap and dip stick

1- Set dirt bike on level ground.

2- Remove dip stick to check oil level.

3- Add oil if low but do not overfill. Unit requires 1 qt. (1L)

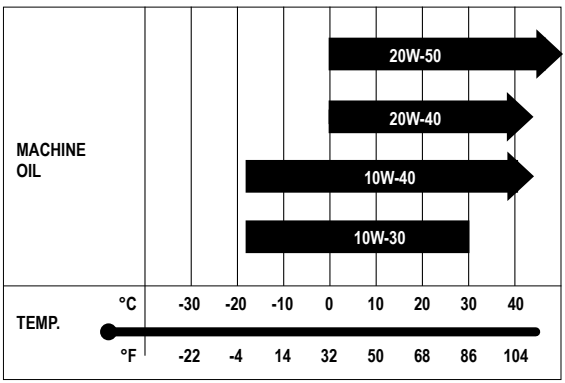
4- Re-install dip stick plug and cinch finger tight.

CAUTION
Never start the engine when there is insufficient lubricating oil. Otherwise, it will cause harm to the engine.

Lubricating Oil Recommended

The lubricating oil is an important factor affecting the performance and service life of the engine. Please refer to the chart for the correct grade of engine oil based on the environmental conditions in your area. Do not use any other type of oil other than what is recommended in the chart. DO NOT MIX OIL WITH THE GASOLINE.

Lubricating oils of different viscosity shall be employed in different regions and at different temperatures.



MAINTENANCE

CHANGING ENGINE OIL

1. If engine is cold, start engine and allow to warm up 3 - 5 minutes.

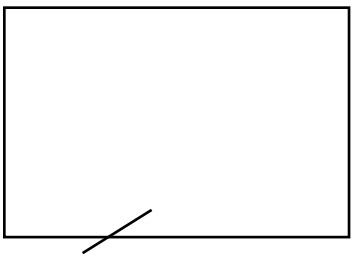
2. Turn engine off allowing oil to settle to bottom of oil case.

3. With warm engine, NOT HOT, remove oil drain plug located at bottom of engine and let oil drain into an approved collection container. DO NOT PERFORM THIS PROCEDURE WHILE ENGINE IS HOT. SERIOUS BURNS COULD RESULT FROM CONTACT WITH HOT OIL.

4. Dispose of used oil properly. For proper disposal procedures, contact your local oil recycling center.

5. Re-install oil Plug.

6. Refill engine with proper amount of oil and recheck amount by using dip stick.



Oil Plug

CHECK-UP OF SPARK PLUG

1. Remove spark plug cap and screw out spark plug using plug wrench.

2. Clean spark plug all around or replace it if it is corroded or there is too much deposit on it.

3. Regulate the gap of the spark plug with a feeler gauge to .02 -.03in. (0.6-0.7mm).

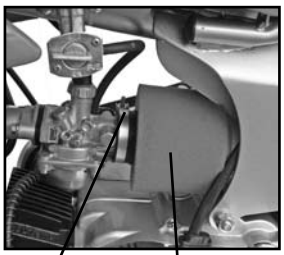
4. The spark plug of the designated type should be used.
   Torch A7TC, NGK C7HSA, Denso U22FS-U, Champion Z10YC, AC S102F, Autolite 2795.

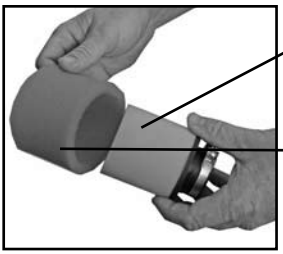
.02 - .03 in.
(0.6~0.7mm)

MAINTENANCE

CHECKING & CLEANING AIR FILTER

1- Locate air filter which is attached to carburetor under gas tank.
2- Remove air filter by loosening clamp holding filter in place
3- Once foam filter is removed, remove outer foam filter sleeve, check filter for damage or tears. If filter is damaged or torn, replace.
5- Gently wash foam air filter and outer foam sleeve with clean, non-flammable (high flash point) solvent such as kerosene.
6- Once Foam air filter is clean and dry, pour foam air filter oil over entire area of filter. Gently squeeze out any excess oil.
7- Re-install air filter making sure it is seated correctly and that outer foam sleeve is back place.





CAUTION

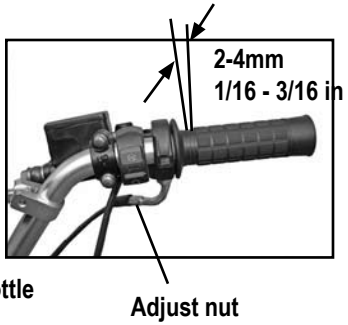
The air filter element must be intact or the engine will suck in dust and dirt, resulting in a shorter service life of the engine.

Water should be prevented from entering into the filter when washing the vehicle.

The filter element shall be cleaned gently without twisting to prevent it from cracking. Never wash it with gasoline or any acid, alkaline or organic volatile oil to avoid its aging, which will result in reducing the effect of the air filter oil to catch particles before they enter the engine. Replace the filter element with a new one if it is broken or cracked.

MAINTENANCE

ADJUSTING THE THROTTLE CABLE



Make sure the throttle works normally.

Check if the throttle twist grip has the required free operating movement.

The required free operating movement: 2-4mm (1/16-3/16 in) If the grip cannot be moved freely, turn adjusting nut located on top of the throttle twist grip to ensure proper operating movement.

After adjustment, start the engine and check for the operating movement again. Repeat the adjustment if necessary until the desired operating movement is obtained.

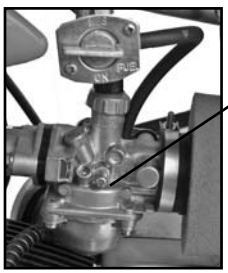
ADJUSTING THE CARBURETOR

<u>Adjusting procedures of idling speed</u>:

1. **Support the vehicle by a stand.**

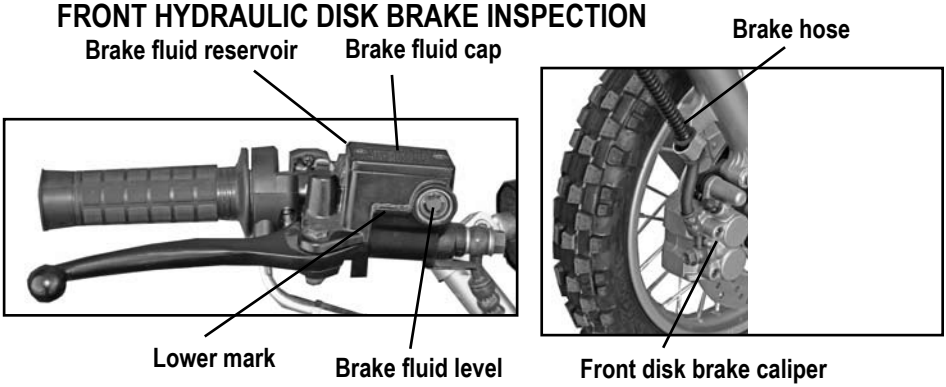
2. **Adjust the idling speed by the throttle stop screw to 1500 rpm ± 100 rpm.**

CAUTION
Do not try to correct a malfunctioning carburetor by adjusting the idling speed. If the carburetor is not functioning properly, it should be repaired by a service center. **Adjust idling speed only when the engine is warmed up or 10 minutes after operation.**



MAINTENANCE

FRONT HYDRAULIC DISK BRAKE INSPECTION



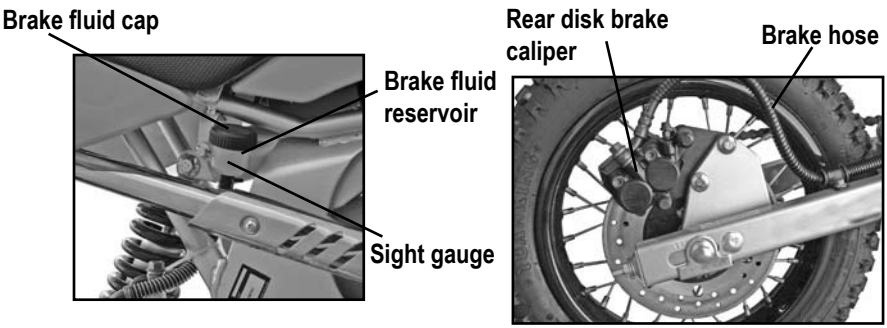
1- Inspect the front disk brake caliper for leakage. If brake fluid leaks, the safety of riding could be affected.

2- Inspect the brake hose for cracks, and the joint for leakage.

3- Check the brake fluid level in the brake fluid reservoir, if level is at or below the LOWER mark, inspect brake pads for wear and hydraulic system for leaks.

4- To add brake fluid, unscrew the 2 screws on top of the brake fluid container. Add DOT3 or DOT4 brake fluid. Do not mix brake fluid types.

REAR HYDRAULIC DISK BRAKE INSPECTION



1- Inspect the rear disk brake caliper for leakage. If brake fluid leaks, the safety of riding could be affected.

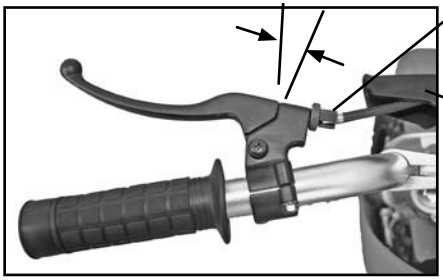
2- Inspect the brake hose for cracks, and the joint for leakage.

3- Check the brake fluid level in the brake fluid reservoir, if level is at or below the middle of sight window inspect brake pads for wear and hydraulic system for leaks.

4- To add brake fluid, unscrew cap on top of brake fluid container. Add DOT3 or DOT4 brake fluid. Do not mix brake fluid types.

MAINTENANCE

CLUTCH ADJUSTMENT



To adjust the clutch lever play:

1- Remove adjuster cover (slide back on cable).

2- Loosen adjuster nut and move adjuster in or out to obtain the correct play. Correct free play should be 0.12-0.20 inch (3.0-5.0mm)

3- Tighten adjuster nut

4- Recheck the clutch lever free distance.
Readjust if it is not within the correct limits.

To adjust the clutch:

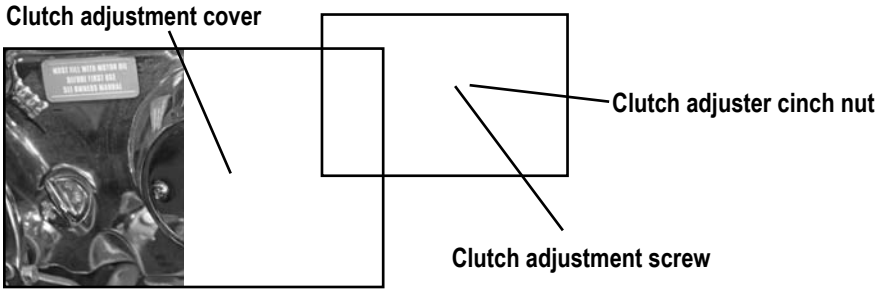
1- Remove clutch adjustment cover from right side of engine housing.

2- Loosen clutch adjuster cinch nut and move adjuster screw in or out to obtain correct clutch tension.

3- Turn Clutch adjustment screw in (Clockwise) to increase clutching ability or out (Counterclockwise) to reduce.

4- After correct adjustment, tighten cinch nut and re-install cover

5- Recheck clutch lever free distance.
Readjust it if it is not within correct limits.



MAINTENANCE

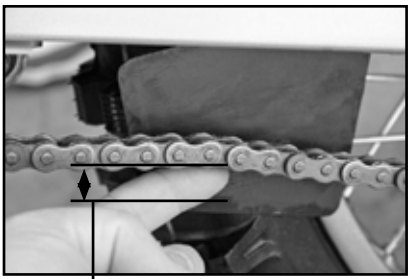
ADJUSTMENT OF CHAIN

1- When chain adjustment is needed, loosen rear axle bolt .

2- Turn chain adjusting nuts on left and right sides to adjust tension of chain. To keep wheel straight, adjustment marks are marked on both sides of rear swing arm. Make sure adjustment is even with corresponding mark on opposite side of wheel.

3- Tighten rear axle bolt by a torque of 50-60Nm (37-44 ft.lb.).

4- Repetitively check tension of chain.



Replace drive chain if it has damaged rollers, loose pins, or kinks that cannot be freed. Lubricate drive chain if it appears dry or shows signs of rust. Lubricate any kinked or binding links and work them free. Adjust chain slack if needed.

LUBRICATING CHAIN

1- Shut off the engine

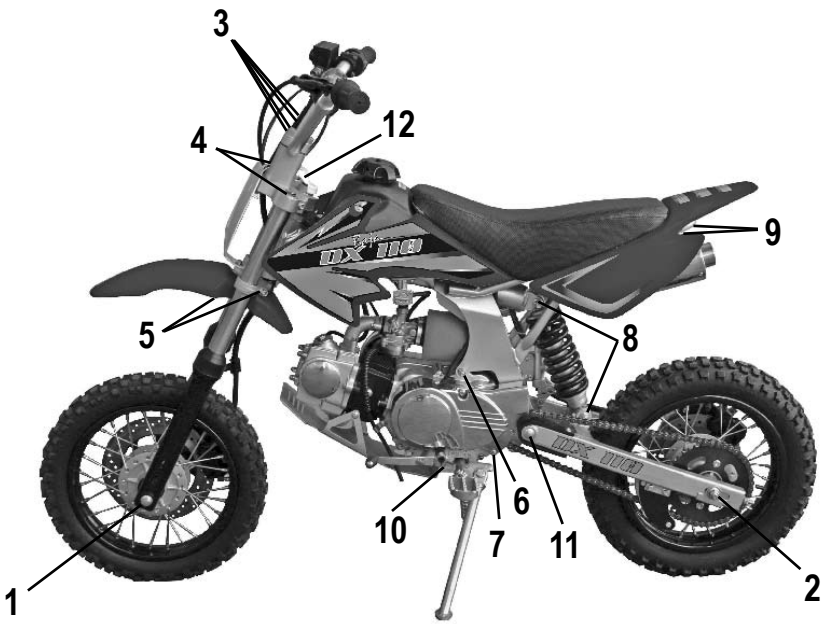
2- Add light amounts of machine oil or chain lube to the driving chain. (Too much machine oil or chain lube may cause splattering to occur.)

Attention:
The chain should be replaced when the adjusting limit has reached it's maximum.

MAINTENANCE

TORQUE SPECIFICATIONS

1	Front wheel axle bolt 12mm	37-44 ft.lb. (50-60 Nm)
2	Rear wheel axle bolt 13mm	37-44 ft.lb. (50-60 Nm)
3	Handle bar clamp bracket 4 ea. 8mm	15-18 ft.lb. (20-25 Nm)
4	Top fork tube bolts 2 ea. 10 mm	24-25 ft.lb. (32-34 Nm)
5	Bottom triple tree shock bracket 2ea. 8mm	15-18 ft.lb. (20-25 Nm)
6	Engine mounting top bolt 8mm	15-18 ft.lb. (20-25 Nm)
7	Engine mounting bottom bolt 8mm	15-18 ft.lb. (20-25 Nm)
8	Rear shock mount bolts 2ea. 10mm	24-25 ft.lb. (32-34 Nm)
9	Seat mount bolts 2ea. 6mm	6-8 ft.lb. (8-11 Nm)
10	Shift lever mount bolt 6mm	6-8 ft.lb. (8-11 Nm)
11	Swing arm Bolt 10mm	24-25 ft.lb. (32-34 Nm)
12	Main triple tree mounting bolt	26-33 ft.lb. (35-45 Nm)



MAINTENANCE

INSPECTION AND MAINTENANCE

It is very important to inspect and maintain your dirt bike regularly. Follow the guidelines in the chart. The intervals between periodic services in months are shown. At the end of each interval be sure to perform the maintenance listed.

MAINTENANCE SCHEDULE

Item	Initial 1 months	Initial 3 Months	Every 3 Months	Every 6 Months
* Valves	I			I
Spark Plug		C	C	R
Air Filter	I Every 20 - 40 hours (more often in dusty areas)			
* Carburetor		I		I
* Exhaust system				I
Fuel hose		I		I
Engine Oil	R		R	
Brake Fluid level	I	I	I	
Brake Hose and joints		I	I	
Brakes	I	I	I	
Clutch	I	I	I	
Wheels	I		I	
Wheel bearings	I			I
Brake caliper linings	I	I	I	
Front and rear suspension			I	
Steering system	I	I	I	
* Steering shaft lubrication (use Li grease)				L
Fittings and Fasteners	T	T	T	

*** Should be completed by an authorized service center**

I=Inspect and clean, adjust, lubricate or replace, if necessary.
C=Clean R=Replace T=Tighten

TROUBLESHOOTING

This troubleshooting guide is provided to help you to find the cause of some common complaints.

COMPLAINT: Engine is hard to start or does not start at all. Something is probably wrong with the fuel system or ignition system.

CAUTION

Failing to troubleshoot a problem correctly would damage your Dirt Bike.

Improper repairs or adjustments may damage the vehicle. Such damage may not be covered under warranty. If you are not sure about the proper action, consult your authorized service center or Baja Motorsports about the problem.

Fuel Supply Check

1- Make sure there is adequate clean fresh fuel in the fuel tank.

2- Check that the engine stop switch is in the "RUN " position.

3- Check that the fuel valve is in the "ON" position.

4- Make sure there is enough fuel reaching the carburetor from the fuel tank.

a. Loosen the drain screw which is located under the carburetor. Drain the fuel from the carburetor into a container.

b. Tighten the drain screw.

c. Run the engine for a few seconds. Shut off engine.

d. Loosen the drain screw and check that the carburetor is filled back up with fuel.

e. If fuel is reaching the carburetor, the ignition system should be checked next.

⚠ WARNING

Draining fuel from the carburetor could be hazardous.

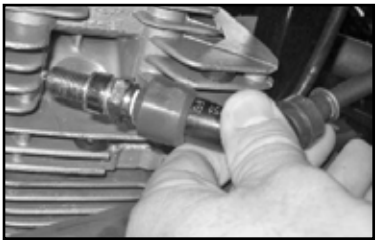
Fuel could catch fire if you do not handle it properly.

When draining the carburetor, be sure to shut the engine off. Do not smoke, and never drain or refuel in an area where there are open flames or sparks. Do not spill the fuel or you may create a fire hazard. Dispose of drained fuel properly.

TROUBLESHOOTING

Ignition System Check

1- Remove the spark plug and reattach it to the spark plug lead.



2- Turn ignition stop switch to the "RUN" position. Have someone work the kick start lever. If the ignition system is operating properly, a blue spark should jump across spark plug gap. If there is no spark, take your machine to your service center.

⚠ WARNING

Performing the spark test improperly could be hazardous.

You could get a high voltage electrical shock if you are not familiar with this procedure.

Do not perform this check if you are not familiar with the procedure. Do not point the spark plug near the spark plug hole during this test. Do not do this test if you have a heart condition or wear a pacemaker. Do not perform this test is any near any open fuel containers for near fuel which has spilled on the ground, on the engine, or any part of the vehicle.

COMPLAINT: Engine stalls

1- Make sure there is enough fuel in the fuel tank.

2- Check to see that the spark plug is not fouled. Remove the spark plug and clean it. Replace it, if necessary.

3- Make sure the fuel valve is not clogged, and the fuel tank is not clogged, either.

4- Check the idle speed. If necessary, adjust it using a tachometer. The correct idle speed is 1400~1600 r/min.

5- Make sure the air filter is clean.

VEHICLE WASHING

Cleaning the vehicle regularly can slow down the color fading of its body and make it easier to check if there is any damage and any oil leakage.

CAUTION

Washing the dirt bike with over-pressurized water may cause damage to some of its components. Therefore, do not use a pressure washer to clean the vehicle. The following parts should be cleaned using low pressure water:

— Wheel hub

— Exhaust pipe

— Fuel tank and lower portion of cushion

— Carburetor

— Head lock and ignition switch

1- After pre-wiping, the vehicle should be washed with clean water to remove dirty residues so as to prevent corrosion. Plastic subassemblies should be cleaned by wiping with a cloth or foam soaked in neutral detergent solution, followed by washing with clean water.

2- After the cleaned vehicle is air dried, grease the chain and run the engine at idling speed for a few minutes.

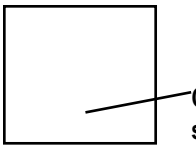
3- Prior to driving, carefully check the braking system repeatedly and repair or adjust it if necessary.

INSTRUCTIONS FOR STORAGE

If the vehicle is not going to be used for a long period of time, for example, in winter time, some steps should be taken to prevent malfunction of and damage to its components which might be caused by long storage. Before storing vehicle for a long period , proper maintenance should be completed.

1- Change engine oil and clean oil filter.

2- Drain off fuel from the fuel tank and carburetor. Dispose of any drained fuel properly so as not to adversely affect the environment.



<u>Attention</u>:
If the storage will last for more than one month, fuel in the carburetor must be fully drained. This will help ensure that the carburetor maintains its normal performance after the storage.

⚠ WARNING

Gasoline is flammable and may cause fire and even an explosion under certain conditions. Therefore, do not smoke, make a fire or have any fire around while draining off fuel.

3- Remove spark plug and pour about 15-20ml (.5 - .68 oz.) of clean engine oil into cylinder. Step down on the kick lever repetitively several times so as to have oil distributed all over inside engine components.

<u>Attention</u>:

The ignition switch must be set to "⊗" (OFF) position before stepping down on kick lever. To protect ignition system from damage, the spark plug should be inserted in its cap and grounded.

4- Wash the vehicle clean, wipe it dry and apply an even coat of wax to the painted surface and a coat of anti-rust oil on the chrome-plated surfaces.

5- Inflate the tires as required and put the vehicle up on wooden blocks with the two wheels clearing the ground.

6- Put the vehicle in a shady and cool place free from humidity and direct sunlight and cover it properly (not with plastic or other painted materials). If there is a garage, store it within.

INSTRUCTIONS FOR STORAGE

RESUMPTION OF SERVICE AFTER STORAGE

1. Change engine oil if vehicle has been out service for over 4 months.

2. Drain off any remaining unused gas in tank, follow by filling with fresh gasoline.

3. Make sure all bolts are tight. See torque specs.

3. Prior to riding, all the required check-ups must be made. Ride at a low speed in an open area to test performance before normal operation .

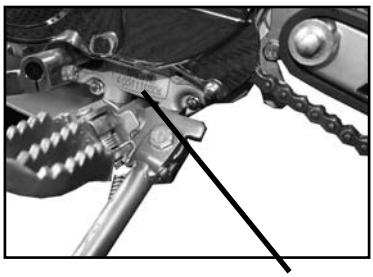
SERIAL NUMBER LOCATION

SERIAL NUMBER LOCATION

You need to know the frame and engine serial numbers to get title documents for your Dirt Bike. You also need these numbers to help your authorized service center or Baja Motorsports order parts.

The Frame number is stamped on front of Dirt bike frame. The engine number is located on the left side of the engine housing.

Frame number



Engine serial number

Write down the serial numbers here for your future reference

Frame No.:

Engine No.:

EMISSION CONTROL SYSTEM WARRANTY

BAJA MOTORSPORTS - EMISSION CONTROL SYSTEM WARRANTY

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The emission control system warranty period for this vehicle begins on the the date the vehicle is delivered to the first purchaser other than an authorized dealer, or the date it is first used a demonstrator, lease, or company vehicle, whichever comes first and continues for 60 months after that date, or 10,000km, whichever comes first, provided there has been no abuse, neglect or improper maintenance of your vehicle. Where a warrantable condition exists, the Distributor will repair your vehicle at no cost to you, including diagnosis, parts and labor. If an emission-related part on your vehicle is defective, the part will be repaired or replaced by the Distributor. This is your emission control defects warranty.

OWNER'S WARRANTY RESPONSIBILITIES

As the vehicle owners, you are responsible for the performance of the required maintenance. You should maintain a record of all maintenance performed on your vehicle and retain all receipts covering maintenance on your vehicle. You may not be denied a warranty claim solely because of your failure to ensure the performance of all scheduled maintenance or lack of maintenance records or receipts. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

WARRANTY COVERAGE

The Distributor warrants that each new 2007 and later vehicle:

- **is designed, built and equipped so as to conform at the time of initial retail purchase with all applicable regulations of the United States Environmental Protection Agency, and the California Air Resources Board; and**
- **id free from defects in material and workmanship which cause such vehicle to fail to conform with applicable regulations of the United States Environmental Protection Agency, and the California Air Resources Board for the periods specified above.**

Your emission control system warranty covers components whose failure would increase an engine's emission including electronic controls, fuel injection system, carburetor, the ignition system, catalytic converter, or any other system utilized in this vehicle to control emission if it is originally equipped. Also included may be hoses, connectors and other emission-related assemblies. Replacing or repairing other components (including parts, labor, and other costs) not covered by this emission control system warranty or the standard warranty is the responsibility of the owner.

Coverage of repairs under this warranty applies only when repairs are completed at an authorized dealer or repair facility. The Distributor will not cover repairs performed outside of an authorized dealer or repair facility. The use of replacement parts not equivalent to the original parts me impair the effectiveness of your vehicle's emission control system. If such a replacements parts is used and an authorized dealer determines it is defective or cause of failure of a warranted parts, your claim for repair to bring your vehicle into compliance with applicable standards may be denied.

This Emission Control System Warranty is in addition to the standard Limited Warranty.

EMISSION CONTROL SYSTEM WARRANTY

EXCLUSIONS AND LIMITATIONS

This warranty does not cover the following:

- **Failures or malfunctions of the emission control systems caused by abuse, alteration, accident, misuse, the use of leaded gasoline.**
- **Replacement of expendable maintenance items unless they are original equipment defective in material or workmanship under normal use, and the first required replacement interval for the item has not been reached. Expendable maintenance items include but not limited to spark plugs, filters, coolant, lubricants, gaskets, hoses, and belts.**
- **Replacements of parts and other services and adjustments for required maintenance.**
- **Any vehicle equipped with an odometer or hour meter where the reading is altered so that actual mileage cannot be readily determined.**
- **Repairs or replacements as a result of:**
  - **Accident**
  - **Misuse**
  - **Use of replacement parts or accessories not conforming to the original specifications which adversely affect performance.**
- **Physical damage, corrosion, or defects caused by fire, explosions or similar causes beyond the control of the Distributor.**
- **Failures not caused by a defect in material or workmanship.**

Use of the vehicle in any type of competitive racing or related events immediately and completely voids this and all other warranties.

LIMITED LIABILITY

The liability of the Distributor under this Emission Control System Warranty is limited solely to the remedying of defects in material workmanship by an authorized dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the vehicle or transportation of the vehicle to/from the authorized dealer. The Distributor is not liable to any person for incidental, consequential or special damages of any description, whether arising out of express or implied warranty or any other contract, negligence or other tot or otherwise.

No express emission control system warranty is given by the Distributor except as specifically set fourth herein. Any emission control system warranty implied by law, including any warranty of merchantability or fitness for a particular purpose is limited to the express emission control system warranty terms stated in this warranty The foregoing statements of warranty are exclusive and in lieu of all other remedies. All express warranties not stated in this warranty are disclaimed. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply if it is inconsistent with the controlling state law.

No dealer is authorized to modify this Emission Control System Warranty. If you have any questions regarding your warranty rights and responsibilities, you should contact BAJA MOTORSPORTS.

Baja Motorsports®

Baja Motorsports, LLC

P.O. Box 61150

Phoenix, AZ 85082

Tel: 602-443-9180

Toll Free: 888-863-2252